

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☒ The attached application, entitled "Chemically Modified Vegetable Oil-Based Industrial Fluid" or
- ☐ Application No. \_\_\_\_\_, filed on \_\_\_\_\_,
- ☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**

Inventor one: Sevim Z. Erhan

Signature: Sevim Z. Erhan

Citizen of: US

Inventor two: Atanu Adhvaryu

Signature: Atanu Adhvaryu

Citizen of: India

Inventor three: Zengshe Liu

Signature: Zengshe Liu

Citizen of: Canada

Inventor four: \_\_\_\_\_

Signature: \_\_\_\_\_

Citizen of: \_\_\_\_\_

☐ Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

**RECORDATION COVER SHEET  
PATENTS ONLY**

To The Honorable Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

**1. Name of conveying party(ies):**

Sevim Z. Erhan and Zengshe Liu

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of Conveyance:**

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1/23/02 and 1/25/02

**2. Name and address of receiving party(ies)**

Name: The United States of America, as represented  
by the Secretary of Agriculture

City: Washington State: D.C. Zip: 20250-1400

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is: January 25, 2002

**A. Patent Application No.(s)**

0065.01

**B. Patent No.**

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Curtis P. Ribando

Internal Address: USDA-ARS-OTT-National Center  
Center for Agricultural Utilization Research

Street Address: 1815 N. University Street

City: Peoria State: IL Zip: 61604

**6. Total number of applications and patents involved: [ 1 ]**

7. Total Fee (37 CFR 3.41) \$ 40.00

☐ Enclosed

☒ Authorized to be charged to Deposit Account

8. Deposit Account Number: 01-0455

**DO NOT USE THIS SPACE**

**9. Statement and signature.**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Curtis P. Ribando  
Name of Person Signing

  
Signature

January 25, 2002  
Date

Total number of pages including cover sheet, attachments, and document [ 2 ]

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents & Trademarks  
Box ASSIGNMENTS  
Washington, D.C. 20231

Express # EK 933953375 US

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on

January 25, 2002  
(Date of Deposit)

Curtis P. Ribando  
Name of Depositor

  
Signature

January 25, 2002  
Date of Signature

## ASSIGNMENT

WHEREAS, we, Sevim Z. Erhan and Zengshe Liu  
residing at 5434 West Rachael Drive, Peoria, IL 61615; 6500 N. University Street, #308, Peoria  
IL 61614-2760; respectively  
having invented an improvement in Chemically Modified Vegetable Oil-Based Industrial Fluid  
with Atanu Adhvaryu

for which we have made application for Letters Patent of the United States, executed concurrently herewith and identified as Department of Agriculture Case No. 0065.01

WHEREAS, the WORLDWIDE patent rights in our share of said invention are assignable to the United States by virtue of our having made the invention while in the employ of the United States Department of Agriculture under applicable law and regulations of the United States Department of Agriculture which render the patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, we hereby assign said WORLDWIDE patent rights to the United States of America, as represented by the Secretary of Agriculture.

Sevim Z. Erhan  
(signature) **SEVIM Z. ERHAN**

01/25/02  
(date)

Zengshe Liu  
(signature) **ZENGSHI LIU**

01/23/02  
(date)

**RECORDATION COVER SHEET  
PATENTS ONLY**

To The Honorable Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):

Atanu Adhvaryu

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1/25/02

2. Name and address of receiving party(ies)

Name: The Penn State Research Foundation

City: University Park State: PA Zip: 16802-7000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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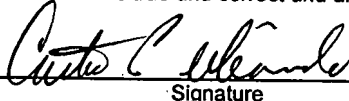
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Name of Person Signing

  
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(Date of Deposit)

Curtis P. Ribando  
Name of Depositor

  
Signature

January 25, 2002  
Date of Signature

## ASSIGNMENT

FOR VALUE RECEIVED, I, ATANU ADHVARYU, hereby sell, assign and transfer unto THE PENN STATE RESEARCH FOUNDATION, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed or claimed in an application for Letters Patent of the United States of America, entitled:

"CHEMICALLY MODIFIED VEGETABLE OIL-BASED INDUSTRIAL FLUID"

signed by me on the date set forth below; and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

I request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at Peoria, Illinois, this 25<sup>th</sup> day of January, 2002.

Witness: Cheryl D. Whitehurst Atanu Adhvaryu  
ATANU ADHVARYU

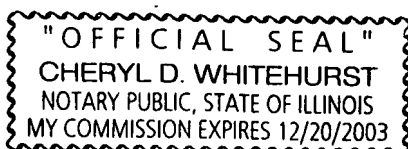
STATE OF ILLINOIS

COUNTY OF Peoria

:  
: ss:  
:

On this 25 day of January, 2002, before me, a Notary Public in and for the county and State aforesaid, appeared Atanu Adhvaryu, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.



Cheryl D. Whitehurst  
Notary Public



COPY

APRIL 08, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

USDA-ARS-OTT-NATIONAL CENTER  
CENTER FOR AGRICULTURAL UTILIZATION  
RESEARCH - CURTIS P. RIBANDO  
1815 N. UNIVERSITY STREET  
PEORIA IL 61604



\*101979567A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/25/2002

REEL/FRAME: 012556/0540  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ADHVARYU, ATANU

DOC DATE: 01/25/2002

ASSIGNEE:

PENN STATE RESEARCH FOUNDATION,  
THE  
UNIVERSITY PARK, PENNSYLVANIA

16802-7000

SERIAL NUMBER: 10057488  
PATENT NUMBER:

FILING DATE: 01/25/2002  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

02-11-2002

To The Honorable Assistant Cor



101979567

ET

attached original documents or copy thereof:

address of receiving party(ies)

Name: The Penn State Research FoundationCity: University Park State: PA Zip: 16802-7000Additional name(s) & address(es) attached? ☐ Yes ☒ No

1. Name of conveying party(ies):

Atanu Adhvaryu

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1/25/02

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 25, 2002

A. Patent Application No.(s)

B. Patent No.

0065.01

Additional numbers attached? ☐ Yes ☒ No

10057488

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Curtis P. RibandoInternal Address: USDA-ARS-OTT-National CenterCenter for Agricultural Utilization ResearchStreet Address: 1815 N. University StreetCity: Peoria State: IL Zip: 616046. Total number of applications and patents involved: [ 1 ]7. Total Fee (37 CFR 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to Deposit Account8. Deposit Account Number: 01-0455

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Curtis P. Ribando  
 Name of Person Signing

  
 Signature

January 25, 2002  
 Date
Total number of pages including cover sheet, attachments, and document [ 2 ]

Mail documents to be recorded with required cover sheet information to:

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 Washington, D.C. 20231

02/08/2002 LMUELLER 00000118 010455 10057488

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January 25, 2002  
 (Date of Deposit)

Curtis P. Ribando  
 Name of Depositor

  
 Signature

January 25, 2002  
 Date of Signature

# ASSIGNMENT

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"CHEMICALLY MODIFIED VEGETABLE OIL-BASED INDUSTRIAL FLUID"

signed by me on the date set forth below; and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

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Signed at Peoria, Illinois, this 25<sup>th</sup> day of January, 2002.

Witness: Atanu Adhvaryu  
ATANU ADHVARYU

STATE OF ILLINOIS

COUNTY OF Peoria

:  
: ss:  
:

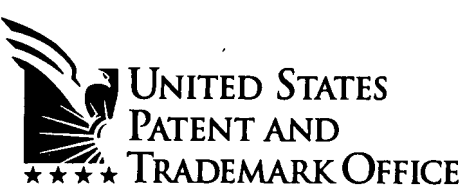
On this 25 day of January, 2002, before me, a Notary Public in and for the county and State aforesaid, appeared Atanu Adhvaryu, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.



Cheryl D Whitehurst  
 Notary Public





APRIL 05, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

USDA-ARS-OTT-NATIONAL CENTER  
CURTIS P. RIBANDO  
1815 N. UNIVERSITY STREET  
PEORIA, IL 61604



\*101979566A\*

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RECORDATION DATE: 01/25/2002

REEL/FRAME: 012554/0009  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ERHAN, SEVIM Z.

DOC DATE: 01/23/2002

ASSIGNOR:

LIU, ZENG SHE

DOC DATE: 01/25/2002

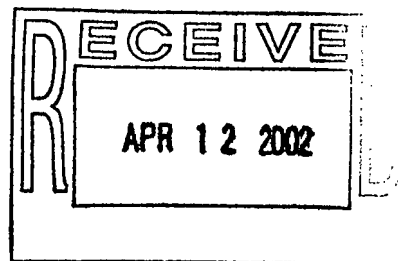
ASSIGNEE:

UNITED STATES OF AMERICA, THE, AS  
REPRESENTED BY SECRETARY OF  
AGRICULTURE  
WASHINGTON, D.C. 20250-1400

SERIAL NUMBER: 10057488  
PATENT NUMBER:

FILING DATE: 01/25/2002  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



02-11-2002

To The Honorable Assistant Commis



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## 1. Name of conveying party(ies):

Sevim Z. Erhan and Zengshe Liu

101979566

Address of receiving party(ies)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoName: The United States of America, as represented  
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☐ Security Agreement ☐ Change of Name  
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